

Chemistry Study Guide

Periodic Table of the Elements

1	2											3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	H	He																							He		
2	Li	Be											B	C	N	O	F	Ne									
3	Na	Mg											Al	Si	P	S	Cl	Ar									
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr									
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe									
6	Cs	Ba			Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn								
7	Fr	Ra			Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Uut	Fl	Uup	Lv	Uus	Uuo								
			La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu										
			Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr										

Objective:

To understand the *structure of an atom*, and the *nature + properties* of subatomic particles 🎯

Matter:

Anything that has **mass** and **occupies space** ✨🌍

Examples: air, gases, liquids, solidz!

Atoms:

Atoms are the **smallest, indivisible particle** 🔬👉

- **Outer part** → *shell/orbit/energy level* → carries the electrons (e^-)
- **Inner part** → *nucleus* → houses the protons (p^+) and neutrons (n)
- Outer & Inner part → together these are the **subatomic particles**

Subatomic Particle Table:

Particle	Symbol	Mass (amu)	Charge	Location
Proton	p^+	1	+1	Nucleus
Neutron	n	1	0	Nucleus
Electron	e^-	~ 0	-1	Orbit/Shell

1st Semester Chemistry Study Guide

M Lipman



1st Semester Chemistry Study Guide:

Ace General Chemistry I Holden Hemsworth, 2015-08-20 A Concise and Easy Study Guide to Ace General Chemistry I Learn the important concepts covered in the first semester of a college general chemistry course in this concise but comprehensive study guide This study guide is a supplemental resource to help students learn review the important concepts covered in the first semester of a college general chemistry course The guide is broken down into 11 easy to read chapters and covers An Introduction to Chemistry Components of Matter Stoichiometry of Formulas and Equation Gases and Gas Laws Thermochemistry Quantum Theory and Atomic Structure Periodic Table and Period Properties Chemical Bonding Bonding Theories Geometry of Molecules And MUCH MUCH MORE Buy a Copy and Begin Learning Today *Resources in Education*, 1984 **Modular Study Guide for First Semester General Chemistry (CHM 1045)** Marta E. Goicoechea-Pappas, Anthony J. Pappas, Miami Dade College. Kendall Campus. Chemistry Department, 2006 *The Technique of Study in First Year Chemistry* Edward Wallace Johnson, 1930 *The United States Catalog* Mary Burnham, Carol Hurd, 1928 *University High School Journal*, 1929 **National Union Catalog**, 1973 Includes entries for maps and atlases **Journal of Chemical Education**, 1925 Includes Report of New England Association of Chemistry Teachers and Proceedings of the Pacific Southwest Association of Chemistry Teachers *Journal* University High School (Oakland, Calif.), 1930 *The Ohio Teacher*, 1916 **New York State Education**, 1930 **Catalogue** Johns Hopkins University. College for Teachers, 1909 *New York School Journal*, 1903 **Excel HSC Maths Extension 1** S. K. Patel, 2005 This comprehensive study guide covers the complete HSC Maths Extension 1 course and has been specifically created to maximise exam success This guide has been designed to meet all study needs providing up to date information in an easy to use format Excel HSC Maths Extension 1 includes free HSC study cards for revision on the go or at home comprehensive topic by topic summaries of the course preliminary course topics covered in detail illustrated examples of each type of question self testing questions to reinforce what you have just learned fully worked solutions for every problem chapter summaries for pre exam revision icons and boxes to highlight key ideas and words four complete trial HSC exam papers with worked solutions extra questions with answers *Annual Catalogue* Illinois Wesleyan University, 1910 **The School World**, 1912 **Year-book** University of Southern California, 1906 **Appletons' Annual Cyclopædia and Register of Important Events of the Year ...**, 1896 *Review Notes and Study Guide to Modern British & Irish Drama* Roger B. Dooley, 1964 *Annual Catalogue of the University of Kansas* University of Kansas, 1889

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